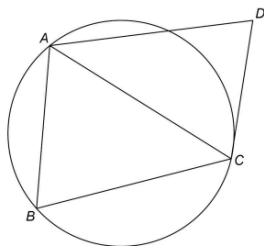


Q1. (2019)

- 20 A, B and C are points on a circle.
 CD is a tangent.



Not drawn
accurately

(A)

- 20 (a) Assume that triangle ABC is isosceles with $AC = BC$.
 Prove that AB is parallel to DC .

[4 marks]

(B)

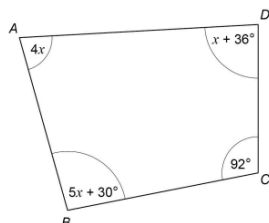
- 20 (b) In fact, triangle ABC is equilateral.
 Tick the **two** boxes for the statements that **must** be correct.

[1 mark]

☐
 AB is parallel to DC
☐
 AC bisects angle BCD
☐
 AC bisects angle BAD

Q2. (2020)

- 23 $ABCD$ is a quadrilateral.



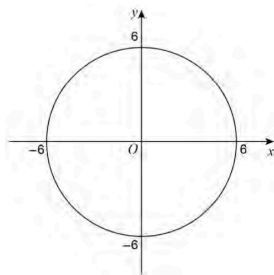
Not drawn
accurately

Prove that $ABCD$ is **not** a cyclic quadrilateral.

[4 marks]

Q3. (2024)

- 18 A circle has centre O and passes through $(0, 6)$



Write down the equation of the circle.

[1 mark]